SIP Telephone

SmartLink 4050 Series

Move to the world of VoIP telephony with these full-function SIP phones.

Multi-line Support

The SL4050/10 phone supports up to 10 concurrent calls that can easily be switched between with lighted line buttons. Optionally, the line buttons can be set as one touch speed dial buttons. The SL4050/2 supports two concurrent lines

Full VoIP protocol support

Connect to any VoIP service provider using standards-based SIP

Dual Ethernet ports

The SL4050 connects to the existing Ethernet network with no new cable runs

Multiple Configuration Methods

Use the phone's keypad, web interface or a centralized management system (TFTP, FTP, or Upnp) to configure the SL4050. Use the web interface for quick and easy setup and configuration

Searchable Local Phone book

Stores up to 200 phone numbers or SIP addresses and retrieves numbers with name search capability. Both phones support directories downloaded from a server.

Rich set of calling features

Conditional call forward on busy, no answer), call transfer, 3-way calling, call hold/retrieve, speed dial, voicemail, message waiting, redial, and more!

Easy to use LCD display

hows current date/time, current settings, call history (missed/received/dialed) and caller ID

The SmartLink 4050 SIP Phone series of VoIP telephones are fully compatible with intranet IP-PBXs and Internet Telephony Service providers. Suitable for the corporate desktop or the home/home office, these feature-rich telephones include speaker phone, multi-line support, one-touch dialing, local conferencing capabilities, and a 100-number local phone directory. Full support is provided for local configuration of call handling for busy, call forward, and conditional call forward.

Acting as a telephone set, the SmartLink 4050 replaces a traditional analog telephone while enabling usage of Internet telephony services. There is no need for additional wiring or Ethernet hubs because each phone is equipped with two RJ45 Ethernet adapters. Simply add the SL4050 phones to an existing Ethernet connection to a desktop PC. Power over Ethernet (802.3af) support is available as an optional accessory to allow for implementation of a centralized low voltage battery backup of all onsite SL4050 phones.

SmartLink 4050s can be easily installed and configured through a local web interface for individual installations. For enterprises or service providers in need of large scale deployments, the SIP phones feature automatic firmware and configuration download from a central configuration server.

A complete replacement of the enterprise PBX is feasible when the SL4050 phones are combined with Patton's SmartLink IP-PBX and Patton's Smartnode IP gateways. The complete VoIP system allows single site or muti-site integration into a shared PBX system over an intranet or Internet connection.

Visit www.patton.com for more information.

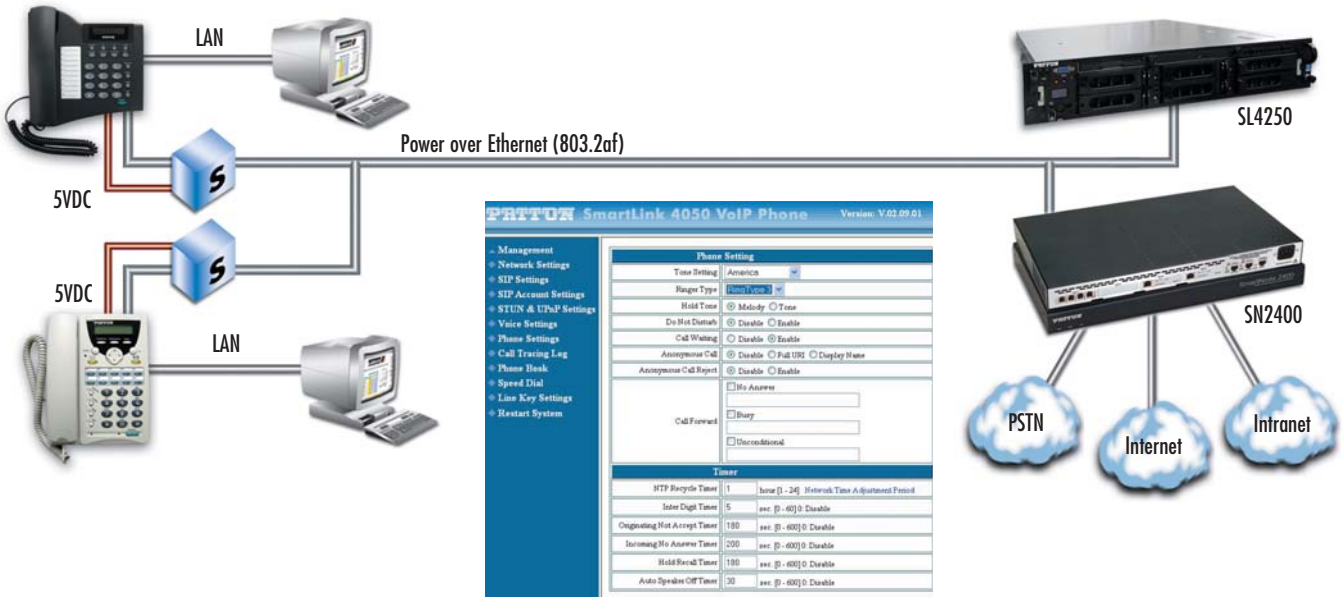
- ✔ Multi-line support—up to 10 concurrent calls on the 4050/10 and 2 calls on the 4050/2
- ✔ Built-in speaker phone
- ✔ Full support for VoIP QoS and VLAN tagging

SL4050/2

SL4050/10

PATTON®

Typical application



Specifications

Protocol
IETF SIP RFC3261

Network Interface
RJ45 x 2, 10/100Base-T

Call Features (SIP server support required)
Call Transfer (Unattended/Blind & Announced) • Call Forward (Busy/No Answer/Unconditional) • Anonymous Call Blocking • Out-of-band DTMF (RFC 2833) • Message Waiting Indicator • Call Park/Pickup • Group Pickup

Voice Codec
G.711µ-law • G711a-law • G.723.1 (5.3k) • G.723.1 (6.3k) • G.729a/b

Phone Functions
Multi-user (up to 4 SIP accounts) • One touch dial (up to 9 records) • Speakerphone • Pre-dial before sending • Handset/Speakerphone Volume adjustment • Speed dial (10 records) • Phone book (200 records) • Multi-line (SL4050/10—up to 10 lines, SL4050/2—up to 2 lines) • Call history (Incoming calls/Outgoing calls/Missed calls)

SIP Server Support
Registrar Server (setting from web) • Outbound Proxy (setting from web)

Security
HTTP 1.1 basic/digest authentication for Web setup • MD5 for SIP authentication (RFC 2069/ RFC 2617)

Dial Methods
Direct IP call without SIP registration • Dial registered number via SIP server • Dial URI from phone book/speed dial

Voice Quality
VAD (Voice Activity Detection) • CNG (Comfort Noise Generation) • AEC (Acoustic Echo Cancellation) • G.168 • Jitter buffer

QoS
ToS field • IEEE 802.1q VLAN • Tone • DTMF –(inband, out of band, SIP info) • Ring Tone, 4 selectable tones • Ring Back Tone (local and remote) • Dial Tone • Busy Tone

IP Assignment
Static IP • DHCP • PPPoE

NAT Traversal
UPnP • STUN

TCP/IP
IP/TCP/UDP/DHCP/RTP/RTCP/ • ICMP/HTTP/SNTP/TFTP/DNS

Configuration
Key & LCD configuration • Web browser configuration • Auto/Manual provisioning system

Firmware Upgrade
TFTP • Auto/Manual provisioning system

Power
External Power supply • Input AC 110–220V • Output DC 5V • (PoE external adapter to be offered later as an accessory)

Environmental
Operating temp.: 40°C • Storage temp.: -20.60°C • Operating humidity: 20%.80%

Physical Dimensions
(SN4050/10)

Size: 220(L) x 170(W) x 100(H) mm • Weight: 845g • Color: White

Compliance
FCC Part 15 Class B • CE Class B • VCCI Class B • EN60950

Ordering Information

SL4050/2/EUI/K	2 Line VoIP SIP Phone with 2X 10/100Base-TX, EUI power, North American power cord. Color: Black
SL4050/2/EUI/A	2 Line VoIP SIP Phone with 2X 10/100Base-TX, EUI power, European power cord. Color: Black
SL4050/10/EUI/K	2 Line VoIP SIP Phone with 2X 10/100Base-TX, EUI power, North American power cord. Color: Black
SL4050/10/EUI/A	2 Line VoIP SIP Phone with 2X 10/100Base-TX, EUI power, European power cord. Color: Black
P0805	EUI 110–240V to 5V power transformer—Order country-specific power cord
0805-INF-POE-5	IEEE 802.3af Power over Ethernet (PoE) splitter—5VDC output

PATTON inalp networks

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